



AF/HW

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| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number   | 10/616,251             |     |
|   | Filing Date          | 07/08/2003             |     |
|   | First Named Inventor | Martin                 |     |
|   | Art Unit             | 1641                   |     |
|   | Examiner Name        | Yang, Nelson C         |     |
| Total Number of Pages in This Submission  | 12                   | Attorney Docket Number | 484 |

| ENCLOSURES (Check all that apply)   |   |   |
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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |                       |          |        |
|--|-----------------------|----------|--------|
| Firm Name                                  | Trex Enterprises Corp |          |        |
| Signature                                  |                       |          |        |
| Printed name                               | John R. Ross          |          |        |
| Date                                       | July 16, 2007         | Reg. No. | 30,530 |

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| Typed or printed name   | John R. Ross | Date | July 16, 2007 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/616,251  
Filed: 07/08/2003  
Applicant: Martin et al  
For: Optical Sensor and Methods for Measuring Molecular Binding Interactions

Examiner: Yang, Nelson C  
Group Art: 1641

Amendment B

Commissioner for Patents  
PO Box 1450  
Alexandria, VA22313-1450

Sir:

This is in response to Office action mailed 05/29/2007.

**Amendments to the Claims** begin on Page 2 of this paper.  
**Remarks** begin on page 9 of this paper.